5th Grade Parent Information

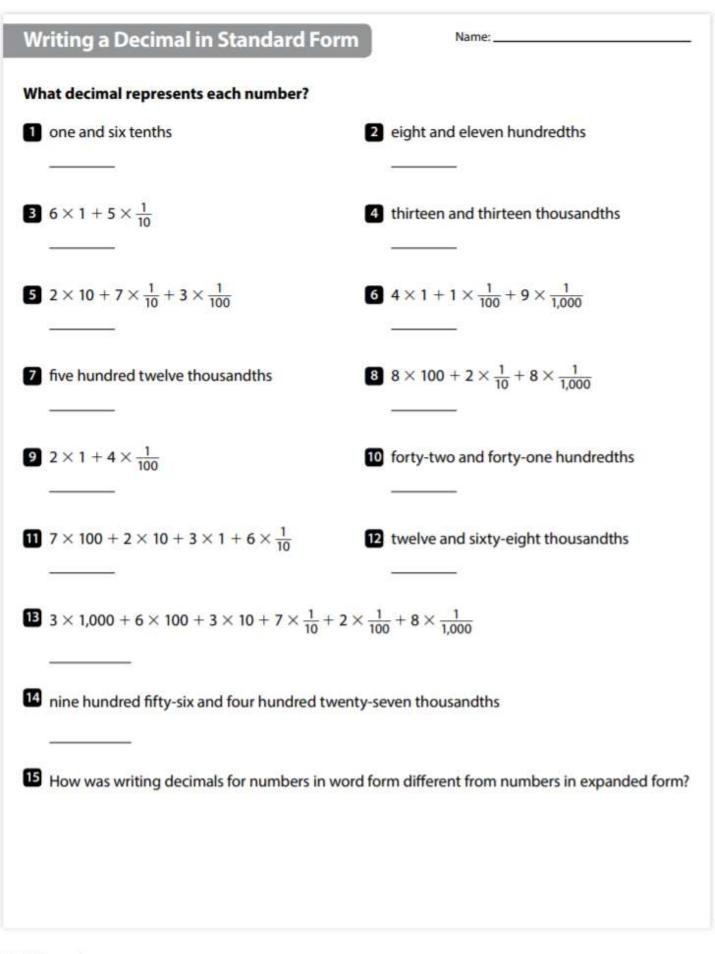
April 13-24

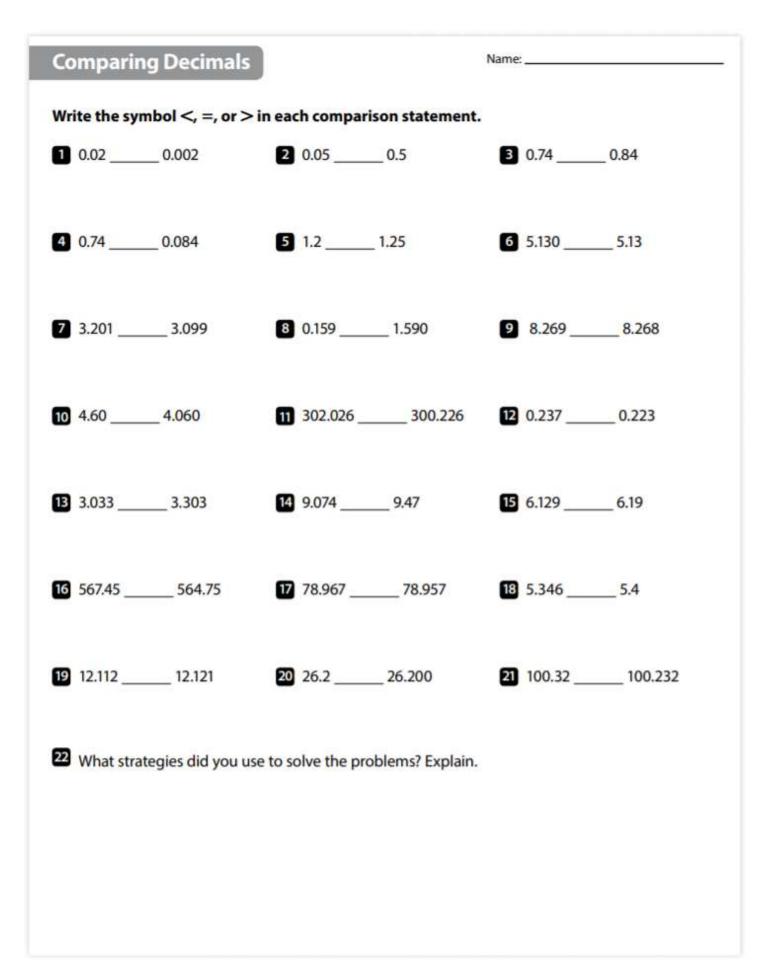
- Recommended daily math practice time: 30 minutes
- There are 16 "practice" pages taken from the iReady At Home Activity Packet Recommendation is to work 15-20 problems per day from pages of your child's choice. However, the goal is practice and remembering how to work problems correctly. Adjust the number of problems based on how long it takes your child to complete.
- There are 5 "Activity" pages Recommendation is 2-3 "Activities" per week for 10-15 minutes each activity. These activities can be repeated for extra practice. If cutting pieces out is needed for an activity, your child may need to re-create on their own paper depending on how it prints.
- Answer keys are at the end of the document for pages that can't be checked easily with a calculator.

Additional Ideas that can be practiced daily or every other day:

- Read and write decimals to thousandths using standard form, word form, and expanded form.
 - Example: 347.392 is written as 3 x 100 + 4 x 10 + 7 x 1 + 3 x (1/10) + 9 x (1/100) + 2 x (1/1000) and is read three hundred forty seven and three hundred ninety two thousandths.
- Multiply multi-digit whole numbers (up to three-digit by four-digit factors)
 - Examples: 6451x257; 789x316; 2345x9; etc.
- Add, subtract, multiply, and divide decimals to hundredths.
- Add and subtract fractions with unlike denominators.
- Continue practicing multiplication and division facts up to 12x12 (or higher if desired).
 Your child could create their own flash cards with a fact and a picture/array to illustrate.
 Another option is to write the fact families for the facts. Example: 5 x 2 = 10; 2 x 5 = 10; 10 ÷ 2 = 5; 10 ÷ 5 = 2

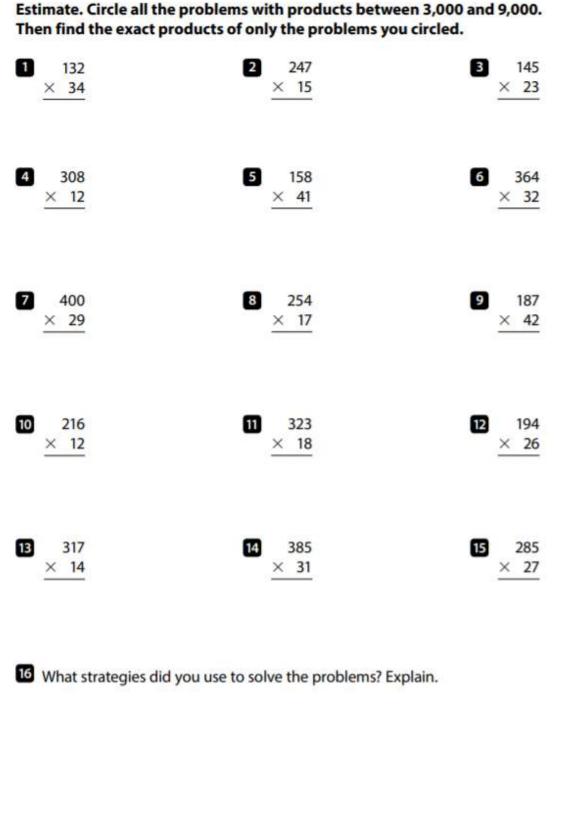
6 ÷ 10	2 0.6 ÷ 10	3 6 ÷ 10 ²
4 0.6 ÷ 10 ²	5 6 ÷ 10 ³	6 60 ÷ 10 ³
0.3 × 10	8 0.3 × 10 ²	9 0.3 × 10 ³
0.03×10^{2}	11 0.003×10^2	12 0.03 × 10 ³
	6. 	
3 72 ÷ 10	14 0.72×10^2	15 7,200 ÷ 10 ³
6 20 ÷ 10 ²	17 0.9 × 10 ³	18 0.001 × 10 ²
9 54 ÷ 10	20 150 ÷ 10 ³	21 0.46 × 10 ³
2 What strategies did	you use to solve the problems? Ex	plain.





Multiplying Multi-Digit Whole Numbers

Name:



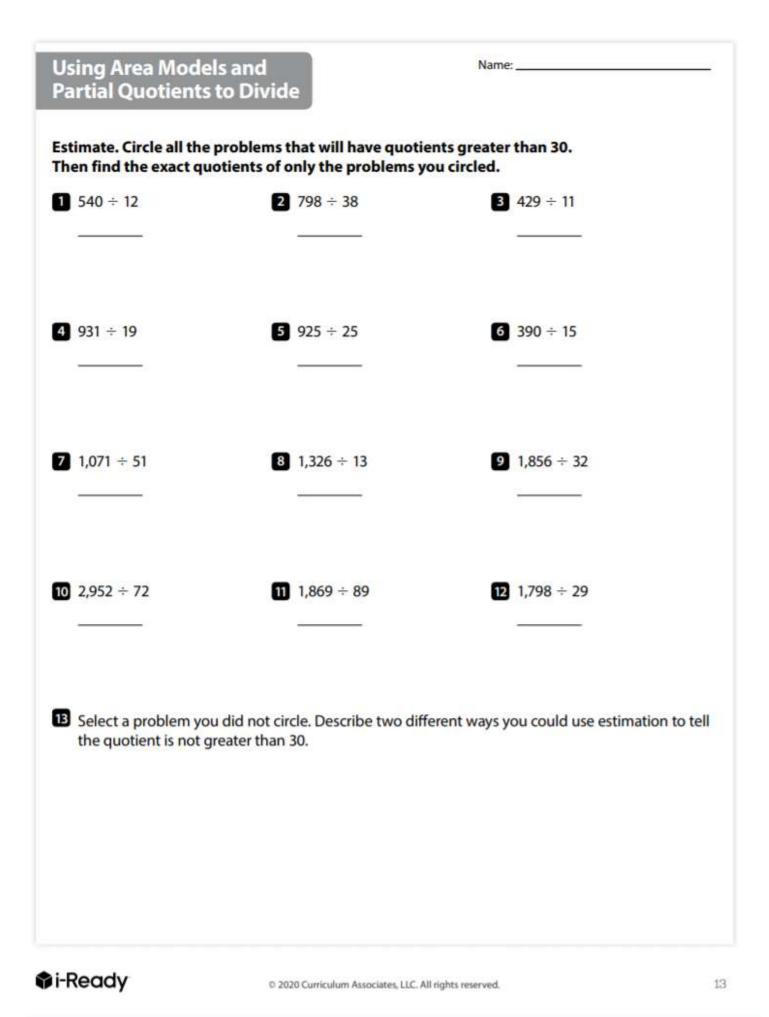


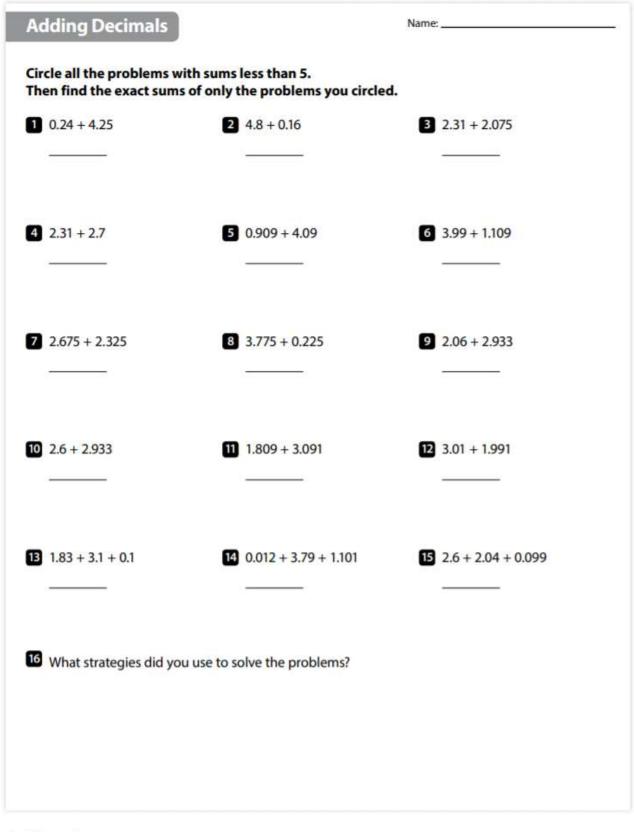
Name: _

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

5 1,236 × 55 8 1,788 × 15	6 1,625 × 18 9 2,500 × 19
11 2,409 × 23	12 306 × 62
14 650 × 35	15 962 × 44
27,365	47,500 55,872
1946 BATH (1947) (1947)	67,980 56,316
26,820	42,328 58,008
	26,820 55,407

i-Ready





i-Ready

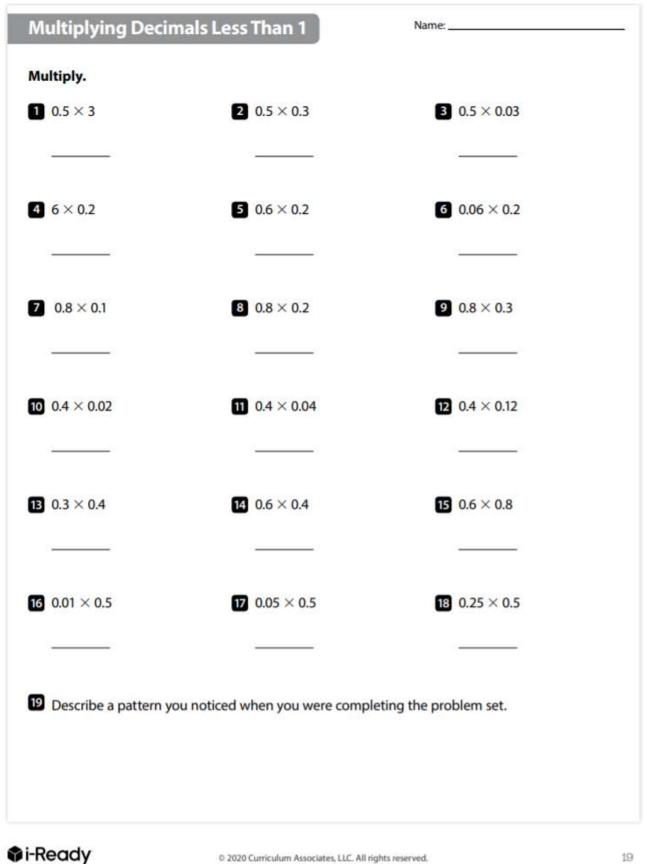
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Subtracti	ing Decimal	s to Hundredths	Name:		
	s are mixed up a plete the proble	t the bottom of the page. ms.	Cross out the a	inswers	
1 7.5 – 1.2		2 10.75 - 4.13	3 2	20.2 - 14.8	
	-	B 41.5 22.25	-		
4 6.12 - 0.1		5 41.5 - 33.25	•	5.9 — 8.92	
	-		-		
7 105.53 -	99.28	8 9.46 - 3.68	97	4 – 65.9	
	-		-	i	
10 5.05 - 0.	56	11 31.27 - 23.67	12 2	256.4 - 248.38	
	-		-		
13 12 - 4.39	9	14 1,280.01 - 1,272.77	7 15 5	600.2 - 494.94	
	-		-		
Answers					
5.25	5.26	6.62	8.1	7.6	
1.49	8.25	7.61	6.98	5.42	
7.24	5.4	8.02	5.78	6.3	







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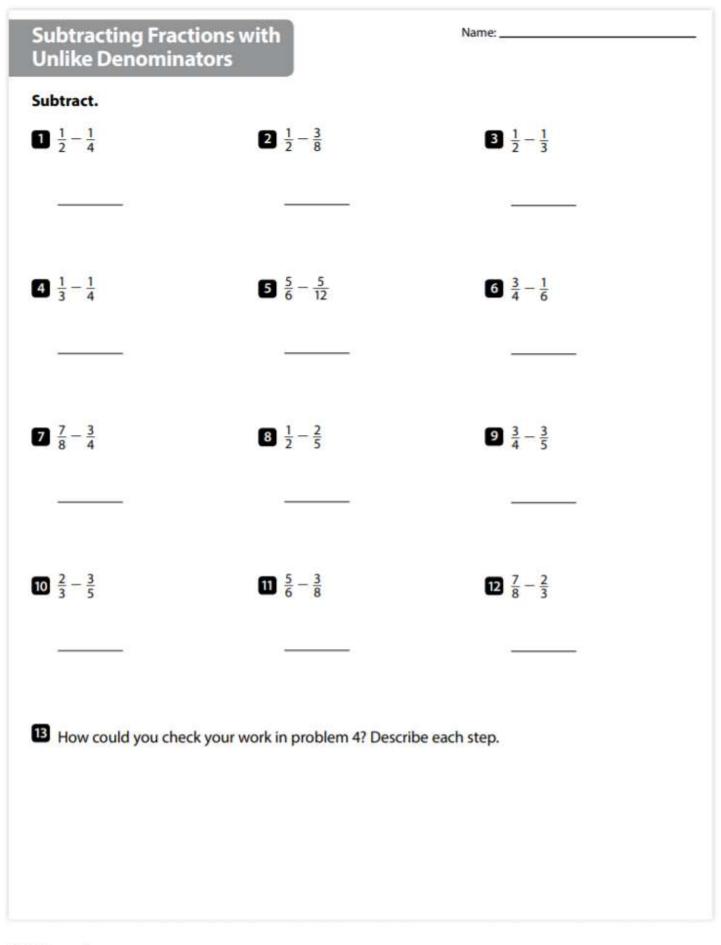
s you complete		ne bottom of the pag	je. Cross out the al	Iswers
0.3 × 1.2		2 1.2 × 0.4	3 1.3	2 × 1.1
<u></u>		·		
4 0.3 × 12.1		5 4.4 × 1.1	6 0.0	02 × 1.8
<u></u>				
7.1 × 5.1		8 6.6 × 0.02	9 2.4	4 × 4.8
<u></u>			-	
9.2 × 5.24		11 1.2 × 1.24	12 8.4	4 × 6.2
<u></u>				
3 4.2 × 3.21		14 4.25 × 8.5	13 1.5	9 × 2.78
- <u></u>				:
nswers				
.132	1.32	13.482	1.488	48.208
.84	0.48	52.08	11.52	5.282
6.125	0.036	0.36	3.63	36.21

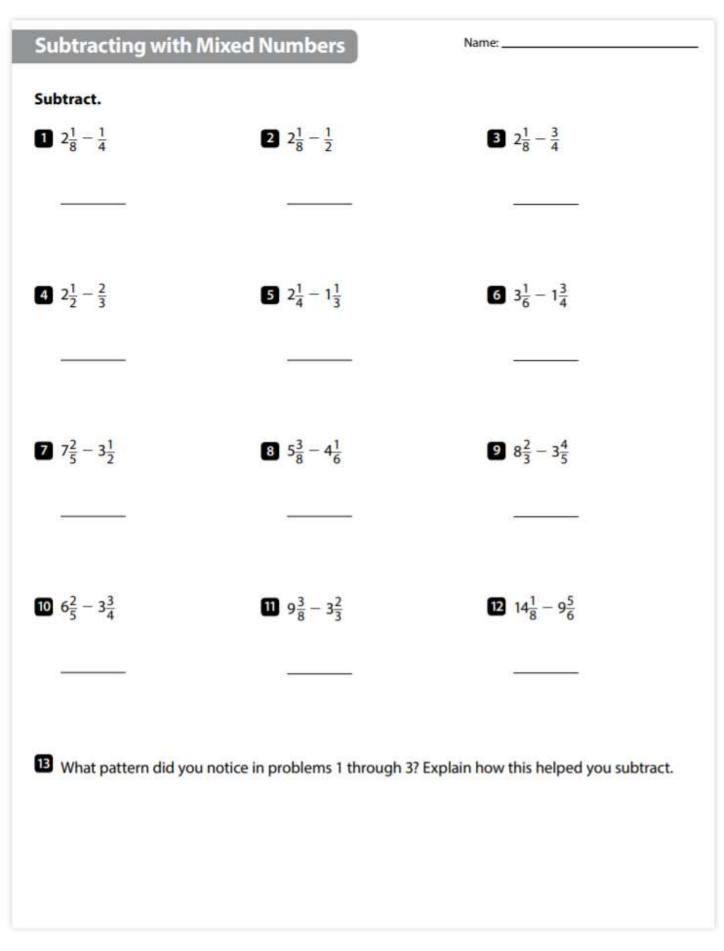


Adding Fractions with Name: _ **Unlike Denominators** Add. $1\frac{1}{2} + \frac{1}{4}$ $2\frac{1}{2}+\frac{3}{8}$ $3\frac{1}{2}+\frac{1}{3}$ $4\frac{1}{3}+\frac{1}{4}$ $5\frac{5}{6}+\frac{1}{12}$ $6\frac{1}{3}+\frac{2}{5}$ $7\frac{5}{6}+\frac{2}{3}$ $8\frac{3}{4}+\frac{5}{6}$ 9 $\frac{7}{9} + \frac{1}{6}$ $10\frac{7}{8}+\frac{2}{3}$ $\frac{3}{2} + \frac{3}{5}$ $12\frac{9}{8}+\frac{5}{6}$

¹³ What is a different common denominator you could use in problem 2? Describe how you would add the fractions using this different common denominator. Is the result equivalent to the sum found in problem 2?

Adding with Mix	ed Numbers	Name:
dd.		
$4\frac{7}{8} + \frac{1}{8}$	2 $4\frac{7}{8} + \frac{1}{4}$	3 $4\frac{7}{8} + \frac{1}{2}$
$2\frac{3}{4} + \frac{1}{3}$	5 $2\frac{3}{4} + \frac{2}{3}$	6 $2\frac{3}{4} + \frac{5}{6}$
$1\frac{2}{5} + 1\frac{1}{2}$	8 $2\frac{4}{5} + 3\frac{1}{2}$	9 $3\frac{2}{3} + 3\frac{2}{5}$
2 <u> </u>		
$4\frac{5}{8} + 2\frac{2}{3}$	11 $5\frac{3}{4} + 2\frac{3}{5}$	12 $3\frac{5}{6} + 2\frac{7}{8}$
- 2017 January 10, 100		
What strategy did	you use to solve problem 3? Descr	ribe each step.







Division with Area Models

What You Need

- number cube
- Recording Sheet

What You Do

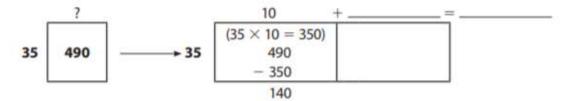
- Take turns. Toss the number cube. Read the problem next to the number in the table. If the problem has already been solved, roll again.
- On the Recording Sheet, draw an area model to solve the division problem.
- Explain why your area model is correct. Your partner checks your work.
- The round is over once each partner has solved a problem. The partner with the greater quotient scores 1 point.
- Play for three rounds. The player with the most points wins the game.

Use an area model to show the quotient. 954 ÷ 18

Toss	Problem
1	168 ÷ 14
2	575 ÷ 25
3	952 ÷ 28
4	792 ÷ 12
5	825 ÷ 15
6	768 ÷ 16

Go Further!

A student started the following area model for the problem 490 \div 35. Complete the area model to solve the problem.



Number and Operations in Base Ten | Level 5



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Center Activity 5.17 ** Recording Sheet

Partner A	
-----------	--

Partner B _____

Division with Area Models

Round	Partner A	Partner B
1		
2		
3		

276 \div 12 = ? It helps to estimate first. Think: 12 \times 2 = 24, so 12 \times 20 = 240. Since 240 < 276, I can start with 20.



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Number and Operations in Base Ten | Level 5

Center Activity 5.18 **

Solve Area Problems with Division

What You Need

Recording Sheet

What is the second side length of this rectangle? Show your

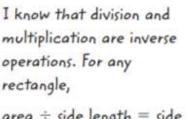
Area: 1,575 square units

Side 1: 35 units

work.

What You Do

- Take turns. Choose a problem on the Recording Sheet. The area of a rectangle and one side length are given.
- 2. Write a division equation to find the missing side length of the rectangle.
- 3. Solve the division equation using any method.
- Your partner checks your answer and draws the rectangle described on the grid.
- 5. Repeat until each partner has had two turns.



area ÷ side length = side length and

side length \times side length = area

Go Further!

A rectangle has an area of 480 square units. Work with your partner to come up with the dimensions of the rectangle if the side length is 12 units, 15 units, or 16 units. Draw a sketch of each rectangle.

Number and Operations in Base Ten | Level 5

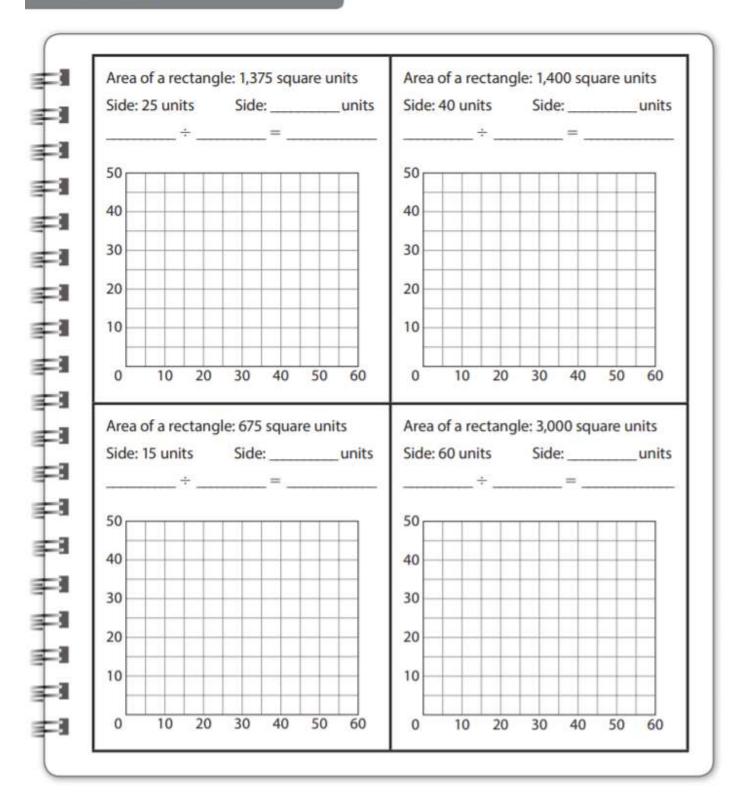


Center Activity 5.18 ** Recording Sheet

1.1					
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۲	a		164	F /	٩.
	-				• -

Partner B _____

Solve Area Problems with Division





Center Activity 5.10 **

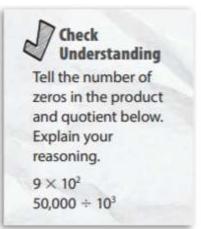
Patterns of Zeros

What You Need

- 10 game markers of one color
- · 10 game markers of another color
- number cube (1–6)
- Game Board

What You Do

- Take turns. Toss the number cube. Read the clue next to that number.
- Find an expression on the Game Board with a product or quotient that matches the clue.
- Write the product or quotient. Your partner checks your work.
- If you are correct, place your game marker on the expression and score 1 point. If you are incorrect, your turn ends.
- If no expression matches your clue, roll again. If no expression matches your second clue, your turn ends.
- 6. The first person to score 5 points wins.



Toss	Clue
1	2 zeros in the product
2	3 zeros in the product
3	decimal point shifts 2 places to the right
4	2 zeros in the quotient
5	decimal point shifts 2 places to the left
6	no zeros in the product or quotient

Go Further!

Choose an expression on the **Game Board.** Write the inverse operation. Compare the two answers. Ask your partner to check your work.



Center Activity 5.10 ** Game Board

Partner A		_
Partner A		_

Partner B

Patterns of Zeros

3 × 10 ³	₩ [*] ₩ <i>4 0000</i> ∩ 讀 ≠ 2,000 ÷ 10 ³	* * * * * * * * * * * * * * * * * * *
4 × 10 × 10 × 10	8,000 ÷ 10	7 × 1,000
50 × 10	0.5 ÷ 10 ²	0.002 × 100
0.06 × 10,000	70 ÷ 100	0.4 ÷ 10 × 10
3 ÷ 10 ³	0.005 × 10 × 10 × 10	0.06 × 10 ²
° ?))∩⊜⇒ ८३°*⊻	* 47 资本 0 学 47	* • 🌜 * 🛊 ///// ((

When I multiply or divide a number by a power of ten, I decide how many places to move the decimal point to the right or to the left.



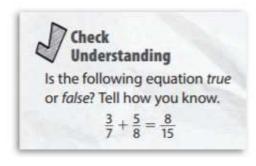
Fraction Addition: True or False!

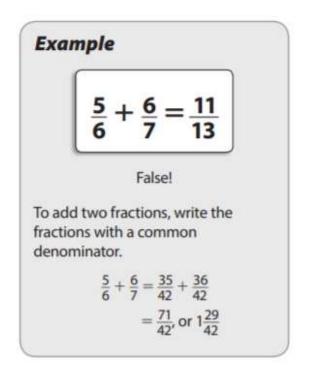
What You Need

Equation Cards

What You Do

- Shuffle and place the Equation Cards facedown in one pile.
- Take turns. Pick a card and tell if the equation is true or false. Your partner checks your answer.
- If you are correct, keep the card. If you are not correct, put the card facedown at the bottom of the pile.
- Play until there are no cards left in the pile. The winner is the partner who has the most cards at the end of the game.
- 5. Shuffle the cards. Play again.





Go Further!

Play the game as described in **What You Do**. In step 3, if the equation is *false*, explain how you know. Then find the correct sum and write a *true* equation to keep the card.

Number and Operations - Fractions | Level 5



Center Activity 5.55 ** Equation Cards

Fraction Addition: True or False!

Fraccion Hadreion, frac of Fa	ise.	
г — — — — т		}
$\frac{1}{3} + \frac{3}{4} = \frac{13}{12}$	$\frac{4}{5} + \frac{3}{10} = \frac{7}{15}$	$\frac{3}{4} + \frac{2}{3} = \frac{5}{7}$
$\frac{1}{3} + \frac{3}{7} = \frac{16}{21}$	$\frac{2}{3} + \frac{2}{5} = \frac{2}{8}$	$\frac{5}{8} + \frac{1}{4} = \frac{6}{12}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{5} + \frac{1}{4} = \frac{9}{20}$	$\frac{5}{12} + \frac{1}{6} = \frac{8}{12}$
$\frac{1}{4} + \frac{5}{8} = \frac{7}{8}$	$\frac{3}{4} + \frac{3}{8} = \frac{3}{12}$	$\frac{3}{4} + \frac{1}{6} = \frac{11}{12}$
Number and Operations – Fractions Level 5	26	©Curriculum Associates, LLC Copying permitted for classroom use.

Center Activity 5.55 ** Equation Cards (continued)

Fraction Addition: True or False!

	r – – – – – –	
$\frac{4}{5} + \frac{2}{7} = \frac{38}{35}$	$\frac{1}{8} + \frac{1}{6} = \frac{1}{14}$	$\frac{1}{6} + \frac{6}{7} = \frac{43}{42}$
$\frac{1}{5} + \frac{6}{7} = \frac{37}{35}$	$\frac{1}{7} + \frac{1}{5} = \frac{1}{12}$	$\frac{2}{5} + \frac{1}{6} = \frac{3}{11}$
$\frac{5}{6} + \frac{3}{7} = \frac{53}{42}$	$\frac{4}{5} + \frac{1}{6} = \frac{5}{11}$	$\frac{2}{7} + \frac{3}{14} = \frac{5}{21}$

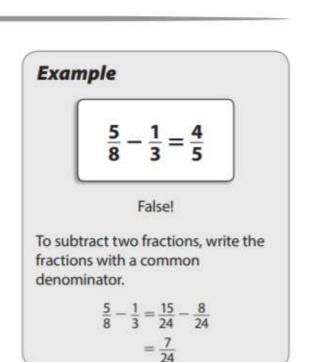
Fraction Subtraction: True or False!

What You Need

Equation Cards

What You Do

- Shuffle and place the Equation Cards facedown in one pile.
- Take turns. Pick a card and tell if the equation is true or false. Your partner checks your answer.
- If you are correct, keep the card. If you are not correct, put the card facedown at the bottom of the pile.
- Play until there are no cards left in the pile. The winner is the partner who has the most cards at the end of the game.
- 5. Shuffle the cards. Play again.



Check

Understanding

Is the following equation true or false? Tell how you know.

 $\frac{2}{7} - \frac{1}{5} = \frac{1}{2}$

Go Further!

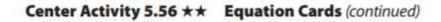
Play the game as described in **What You Do**. In step 3, if the equation is *false*, explain how you know. Then find the correct difference and write a *true* equation to keep the card.



Center Activity 5.56 ** Equation Cards

Fraction Subtraction: True or False!

		£
$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 3 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	$\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$	$\frac{3}{7} - \frac{1}{3} = \frac{2}{4}$
$\begin{vmatrix} - & - & - & - & - & + \\ & & & & & \\ & & & & \\ & & & \frac{5}{12} - \frac{1}{4} = \frac{4}{8} & \\ & & & & \\ & & & \\ & & & & \\ & & &$	$\frac{3}{4} - \frac{1}{8} = \frac{2}{8}$	$\frac{2}{3} - \frac{4}{7} = \frac{2}{21}$
$\begin{vmatrix} - & - & - & - & - & + \\ & & & & & \\ & & & \frac{5}{9} - \frac{2}{3} = \frac{3}{6} & \\ & & & \\ & & & & \\ & & & & \\ & & & &$	$\frac{7}{10} - \frac{1}{5} = \frac{6}{5}$	$\frac{10}{9} - \frac{1}{3} = \frac{7}{9}$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{3}{4} - \frac{1}{6} = \frac{7}{12}$	$\frac{3}{4} - \frac{5}{8} = \frac{1}{4}$
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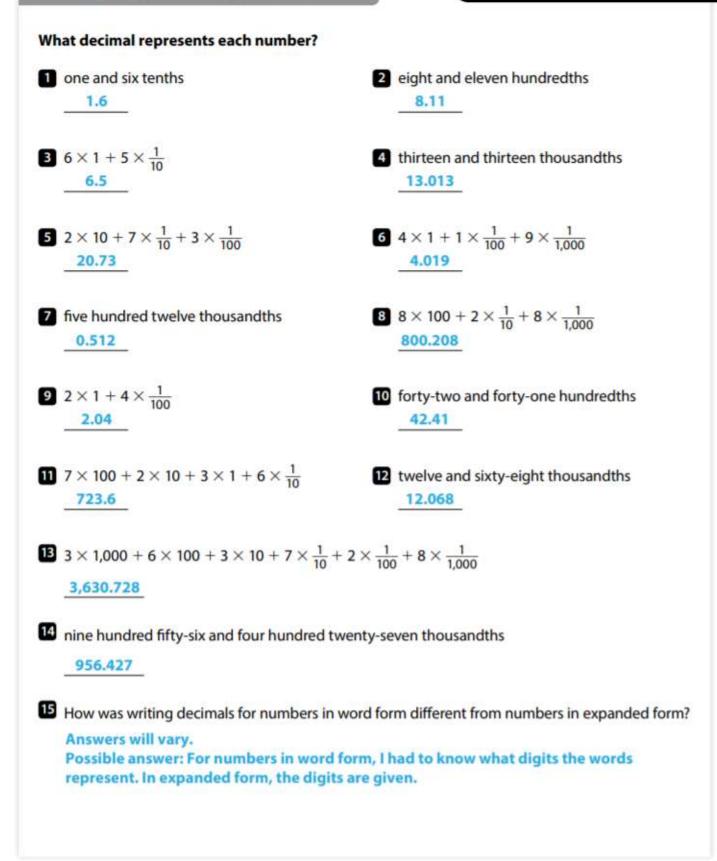


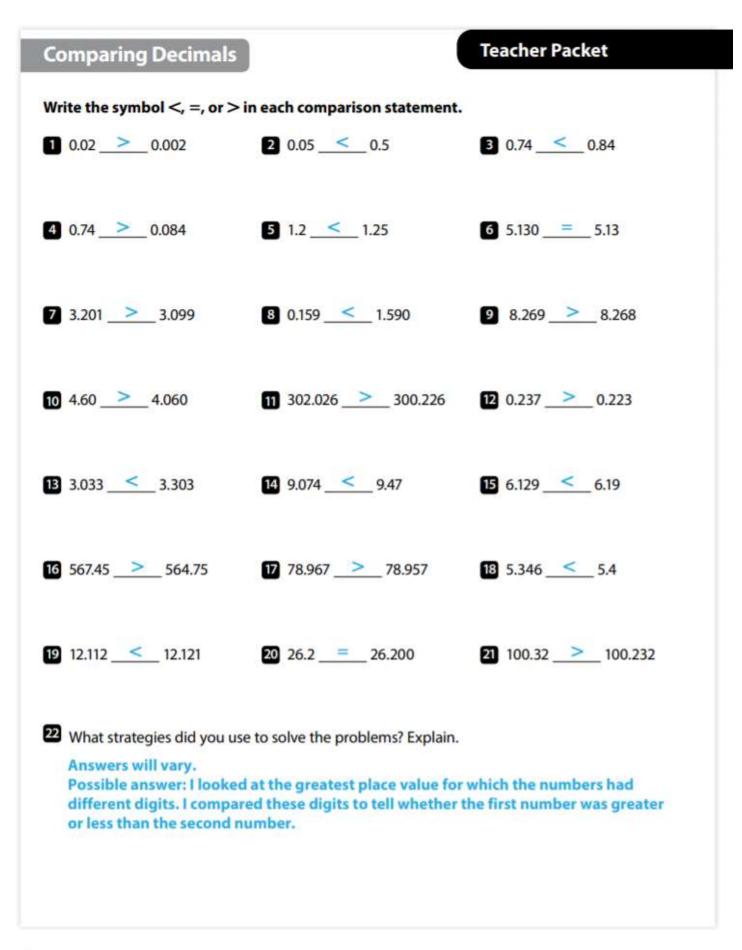
Fraction Subtraction: True or False!		
$\frac{1}{7} - \frac{1}{4} = \frac{1}{3}$	$\frac{1}{7} - \frac{1}{8} = \frac{1}{56}$	$\frac{7}{8} - \frac{3}{4} = \frac{1}{8}$
+ +		+
$\frac{4}{15} - \frac{1}{5} = \frac{3}{10}$	$\frac{6}{7} - \frac{1}{5} = \frac{5}{2}$	$\frac{3}{5} - \frac{1}{2} = \frac{2}{3}$
$\begin{array}{c} - & - & - & - & - & - & - & + \\ & & & \\ & & \frac{3}{8} - \frac{1}{6} = \frac{5}{24} & \\ & & & \\ & & & \end{array}$	$\frac{3}{7} - \frac{2}{5} = \frac{1}{35}$	$\begin{array}{c} - & - & - & - & - & - & - & - & - & - $



Writing a Decimal in Standard Form

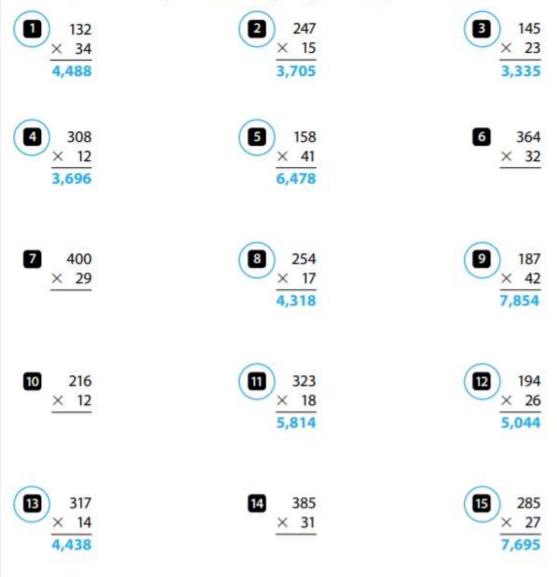
Teacher Packet





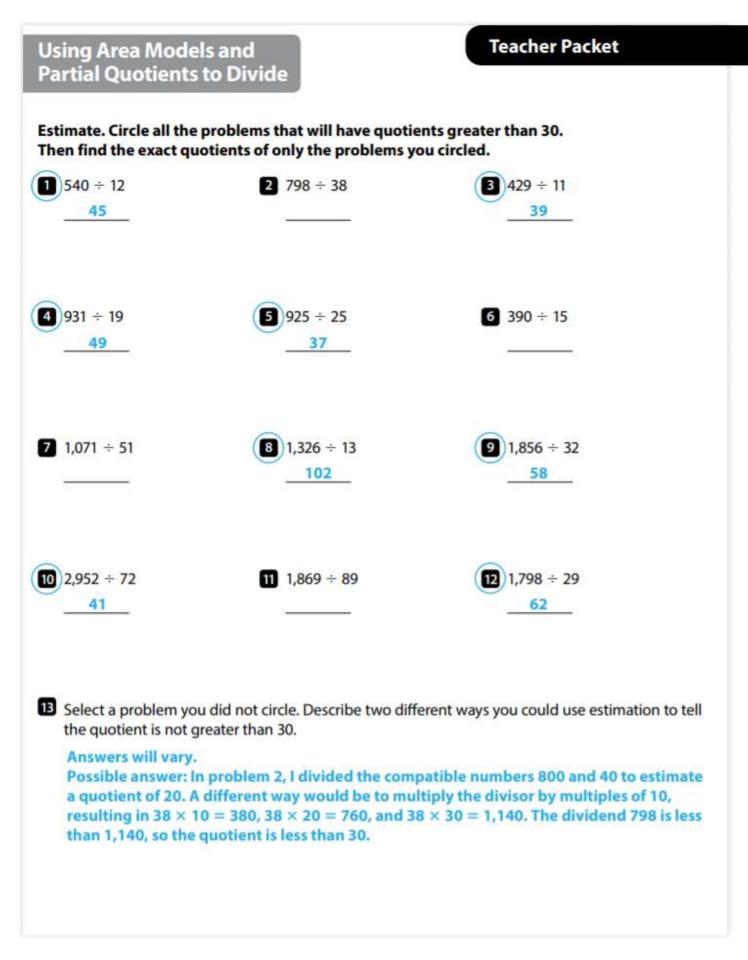
Multiplying Multi-Digit Whole Numbers

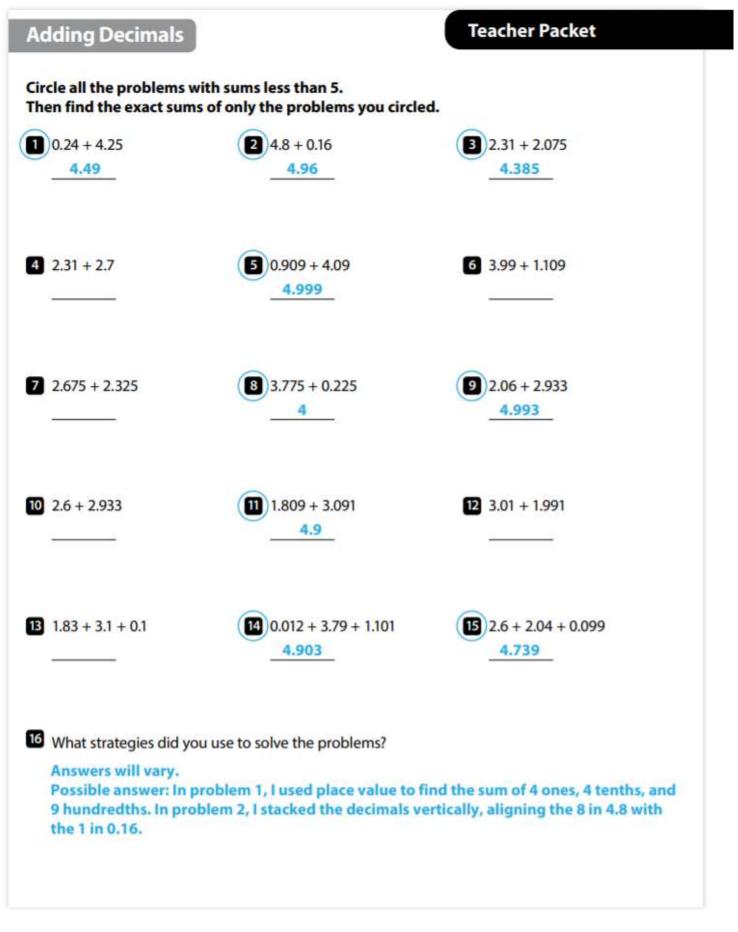
Estimate. Circle all the problems with products between 3,000 and 9,000. Then find the exact products of only the problems you circled.



16 What strategies did you use to solve the problems? Explain.

Answers will vary. Possible answer: In #2, I used the distributive property to find the partial products and then added them to find the product.





5.17		5.18
**	Check Understanding	45 units
	53	Recording Sheet
	Recording Sheet	All rectangles should reflect the given and calculated side lengths.
	Toss 1: 168 ÷ 14 = 12	Area: 1,375 square units, Side: 25 units; 55 units;
	Toss 2: 575 ÷ 25 = 23	1,375 ÷ 25 = 55
	Toss 3: 952 ÷ 28 = 34	Area: 1,400 square units, Side: 40 units; 35 units;
Toss 4: 792 \div 12 = 66	1,400 ÷ 40 = 35	
	$10ss 5: 825 \div 15 = 55$	Area: 675 square units, Side: 15 units; 45 units; 675 ÷ 15 = 45
	Toss 6: 768 ÷ 16 = 48	Area: 3,000 square units, Side: 60 units; 50 units; 3,000 ÷ 60 = 50
5.10		5.55

Check Understanding

 9×100 has two zeros in the product; 50,000 \div 10^3 has 1 zero in the quotient. Sample explanation: When I multiply by 10^2 , or 100, I add 2 zeros to the end of the number. Since 9 has no zeros, it becomes 900. When I divide by 10^3 , or 1,000, there will be 3 fewer zeros in the quotient, so 50,000 becomes 50.

Game Board

Toss 1: 50 imes 10; 0.06 imes 10,000

Toss 2: 3 \times 10³; 4 \times 10 \times 10 \times 10; 7 \times 1,000

Toss 3: 0.3 \times 10 \times 10; 0.002 \times 100; 0.06 \times 10^2

Toss 4: 8,000 \div 10; 0.5 \div 10²; 3 \div 10³

Toss 5: $0.5 \div 10^2$; $0.4 \div 10 \times 10$

Toss 6: 70 \div 100; 2,000 \div 10³; 0.005 \times 10 \times 10 \times 10

Check Understanding

False; Possible explanation: You cannot find the sum of two fractions by adding numerators and adding denominators.

Activity Notes

Students will practice adding fractions with different denominators. Students should understand that to add two fractions, the fractions must be written with a common denominator. They should recognize that the equations in which the denominator of the sum is equal to the sum of the two denominators are false.

5.56

Check Understanding

False; Possible explanation: You cannot find the difference of two fractions by subtracting numerators and subtracting denominators.

Activity Notes

Students will practice subtracting fractions with different denominators. Students should understand that to subtract two fractions, the fractions must be written with a common denominator. They should recognize that the equations in which the denominator of the difference is equal to the difference of the two denominators are false.